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Title: Human KCR1 Regulation of HERG Potassium Channel
Block
Applicant(s): Balser et al.
Attorney Docket No.: 1242/49/2

TMD1
PKCR1 MAQLEGYYFSPAALSCTFLVSCLLFSAFSRLREPYMEIPIHILFOAQRYCEGRFGLSQXDPMITTLPGLYL
hKCR1 -----C-----

TMD2 TMD3 TMD4
VSVGVVKPASWILGWSEHVVCSIGMLRFVNLLFSVGNFVLYLLERKIQPRNKASSSIQRILSTLTAVF
-----I-----F-----

TMD5 TMD6 TMD7
PTLYFFNIFLYTYTEAGGVPFTLFAYLMCLVCNHRTSALLCFCCGFMRQTNIEKWAFCAGHIIAQKCSRAWK
-----X-----K-----F-----V-----NV-----I-----

TMD8 TMD9
SSHEACLHPOLYPFFCFTAFFCFPHLESPTKVKTPLSLVWKKRVOFSVITLVSFLWKKITYVAKYLLA
-----L-----S-----EGIL-L-V-----A-----

TMD10 TMD11
DHRHTTFIVWKKRVPQREEVKYLELPAYNPRGWAADSLKSKSIFWNLNFFVCLVASTVPQXLLFPRVFI
-----A-----L-----I-----S-----P-----J-----FIVI-----

TMD12
LPYLIYRLNMPPLPPISKEVCELCYAVVNFLTFYIFLNKTFQNSDSHDICQRFM
V IT T-----S---I---I-----PR-Q-----

Figure 1A

10000154-103000

Title: Human KCR1 Regulation of HERG Potassium Channel
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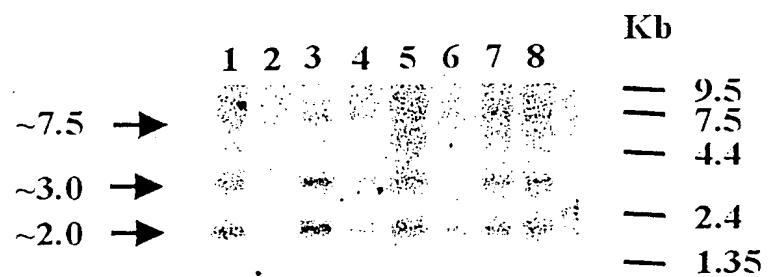


Figure 1B

10000151-103001

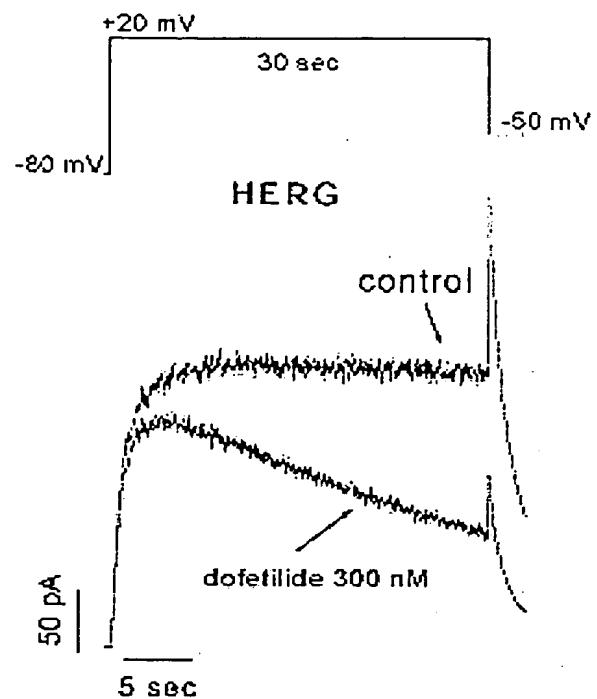


Figure 2A

10000151-103003

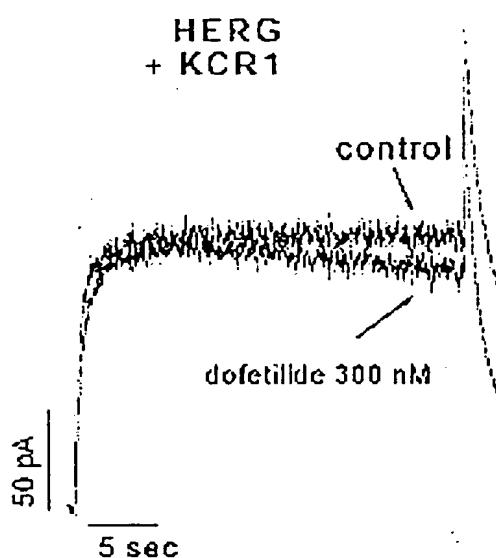


Figure 2B

10000151-103001

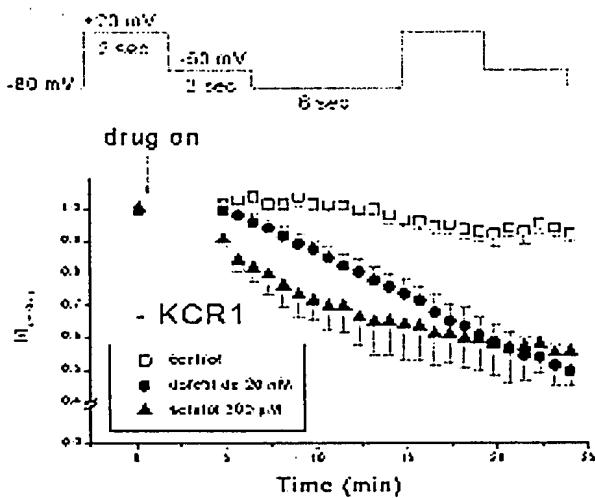


Figure 3A

10000151-103001

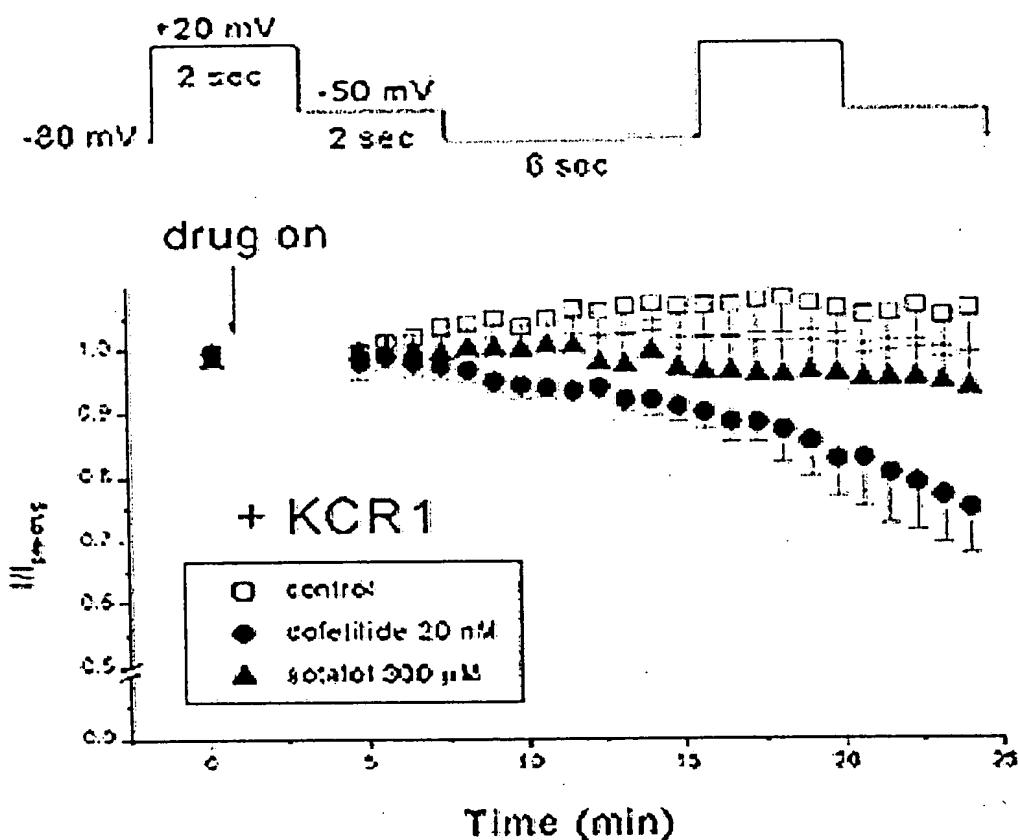


Figure 3B

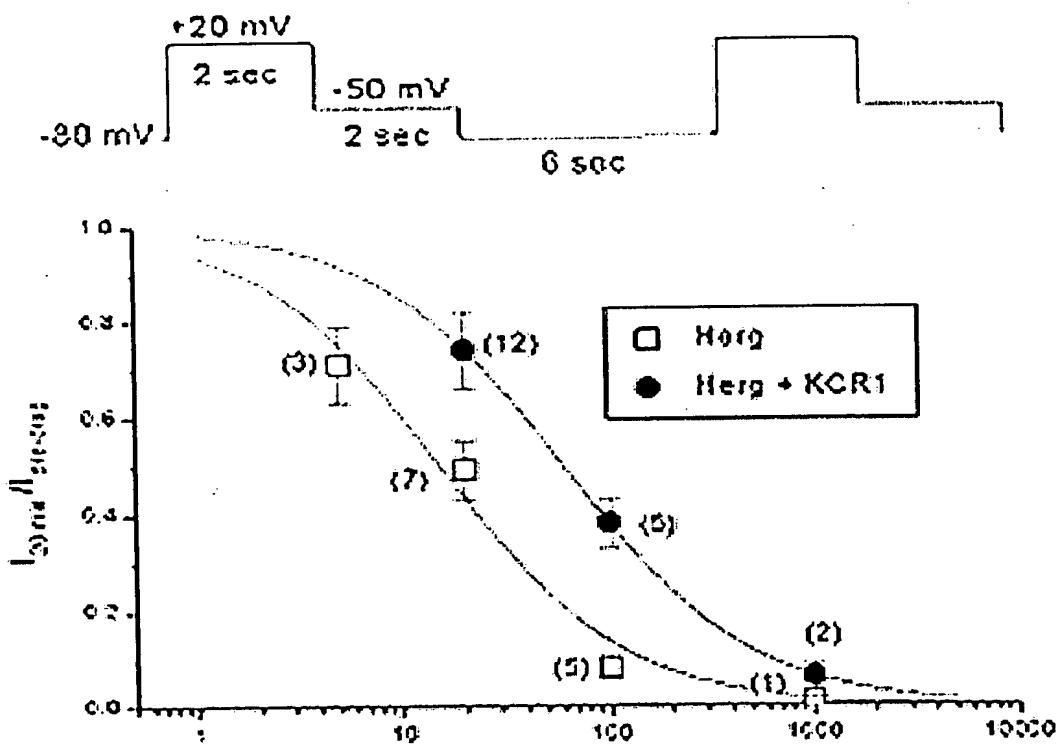


Figure 3C

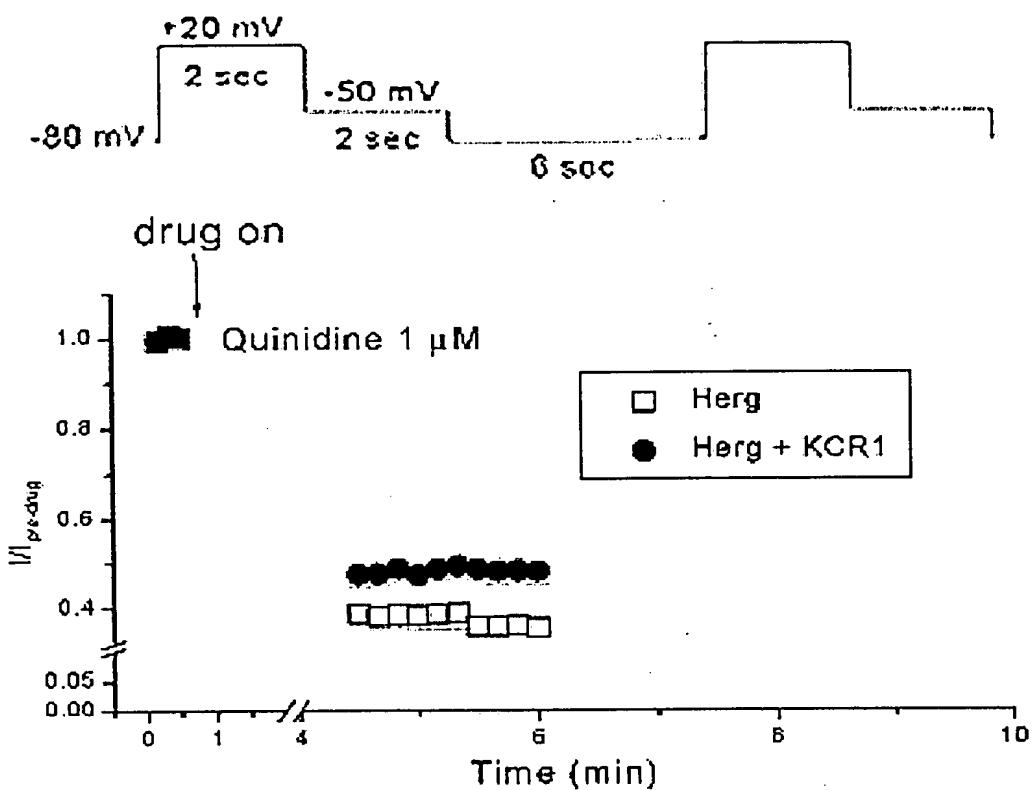


Figure 3D

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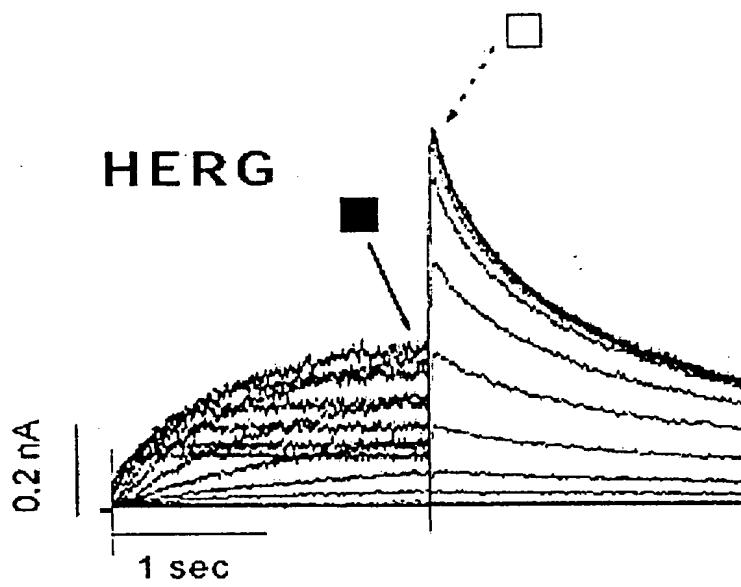


Figure 4A

10000153 - 103003

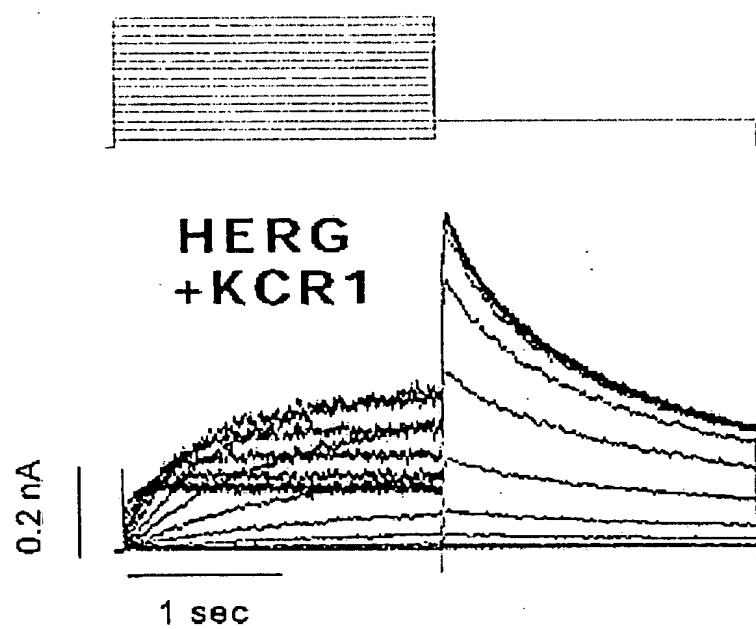


Figure 4B

100000151-10300T

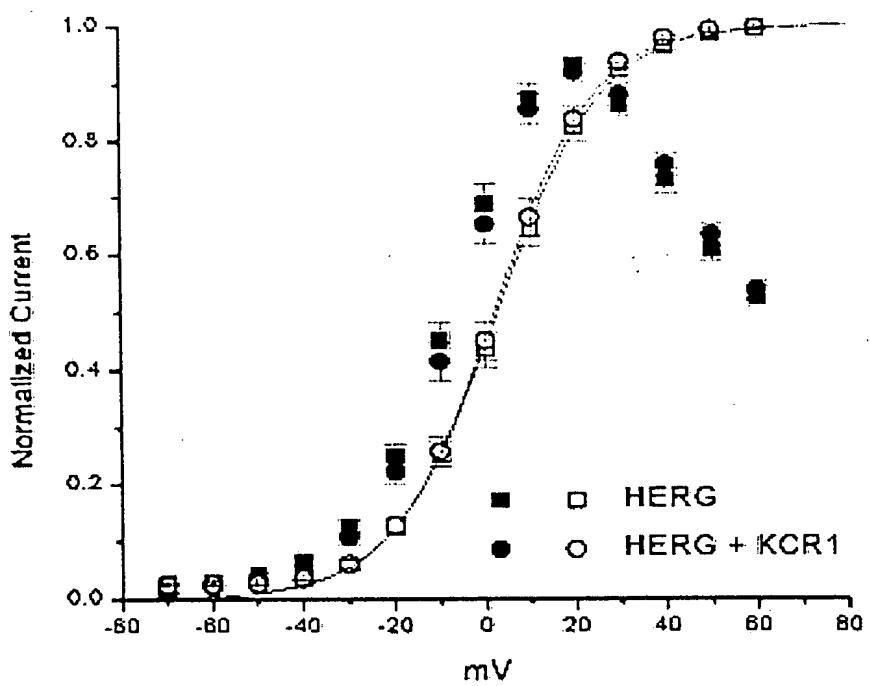


Figure 4C

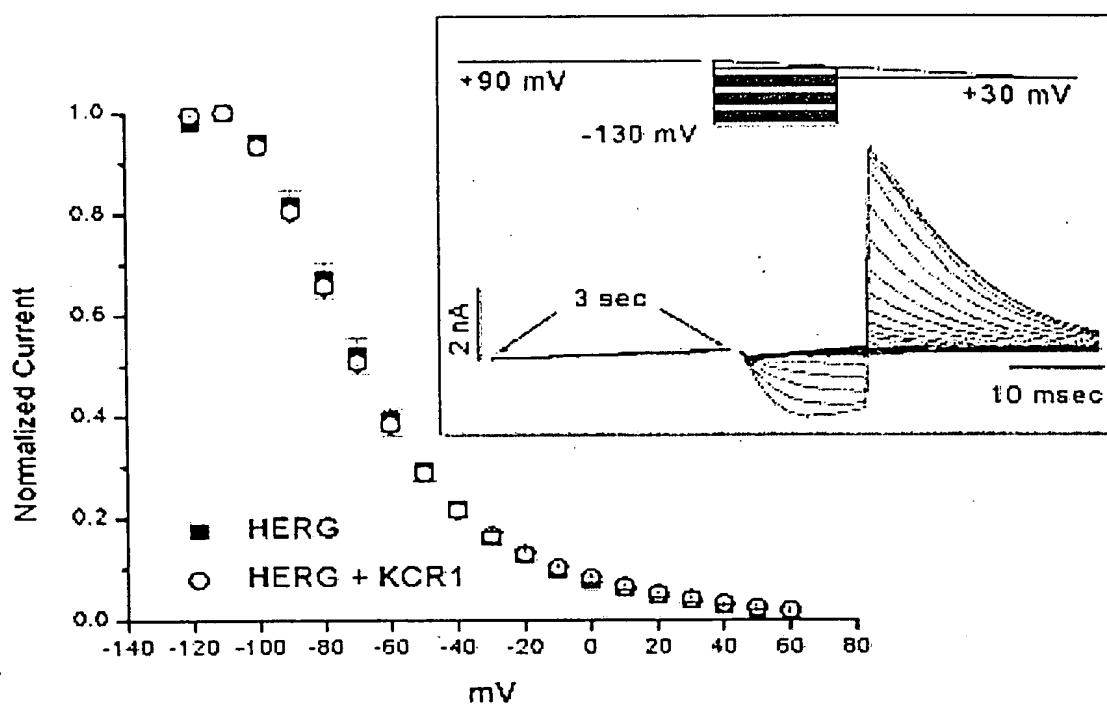


Figure 4D

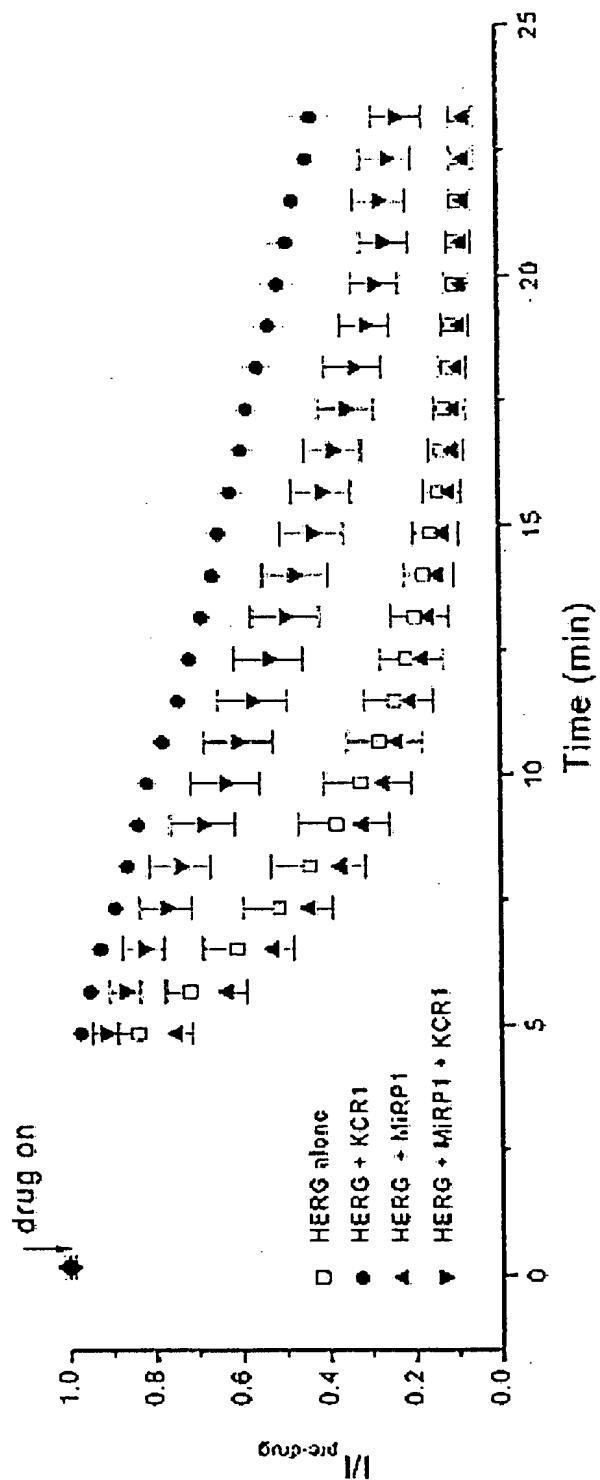


Figure 5A

100000151-103001

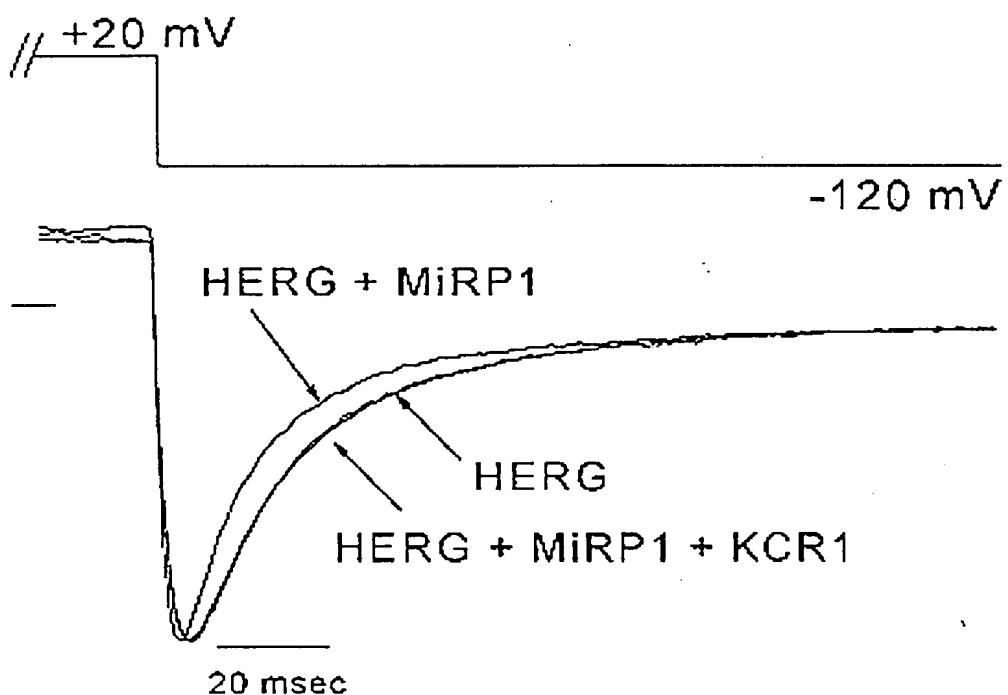


Figure 5B

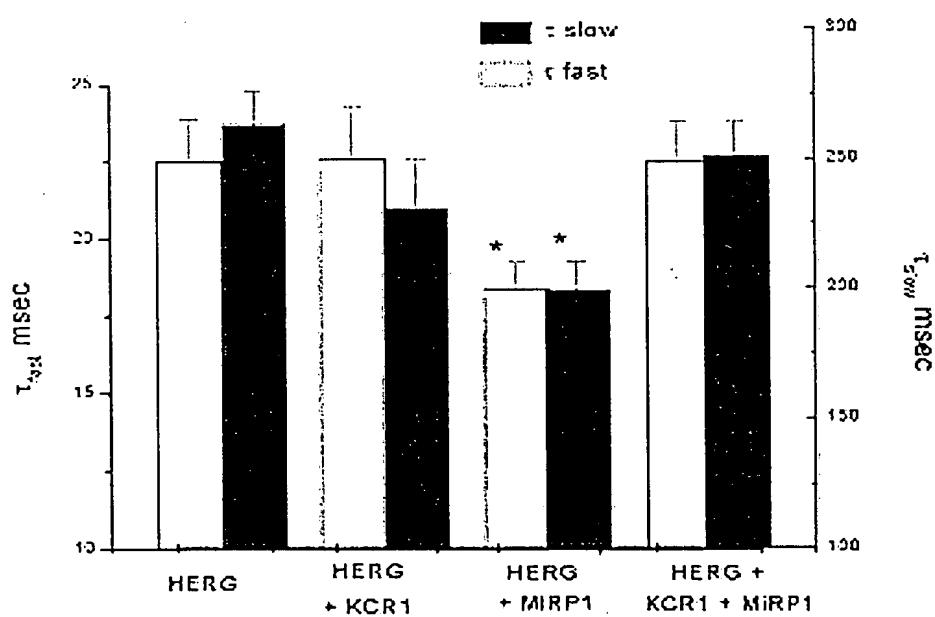


Figure 5C